Clinical Studies

In a 2005 study report in the International Journal of Cancer an experiment was done were they feed rats flaxseeds and Lung metastasis was reduced by 50%.

In the November 2006 issue of the Clinical Cancer Research, a study was done combining flaxseed with tamoxifen and another group with tamoxifen alone. The result reported: "The addition of flaxseed to tamoxifen significantly enhanced the antitumor effects of tamoxifen in breast cancer."

The tamoxifen produced a similar effect to the flaxseed shrinking the tumors initially, but by the end of the experiment, the tumors had returned to their original size in the control group.

The study reported:

"The tumors also equal the mass flaxseed ratio of their starting ground source by 22% compared to women who do not eat it. Women with this genetic marker who eat large amounts of flax lignans reduce their risk of breast cancer by up to 79%."

The secret of the tumor shrinkage, flaxseed oil can cause chemo-like effect. Dr. Boxberg used to that it contains beta and alcier components. Lignans and an omega 3 fat called "alpharlinolenic acid" (ALA).

https://www.ncbi.nlm.nih.gov/pubmed/16877362
https://www.ncbi.nlm.nih.gov/pubmed/12697582

The flaxseed has the multi and brain cancer

Jacob Schor
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Subject: flax seeds and breast cancer

A lot of very positive and encouraging results from animal studies in which human breast cancers were implanted into animals, or chemically induced. Suzanne Somers of reported in August 2002 that tests from the well-known Mayo Clinic that formulation and growth of tumors triggered in rats by dosing with Secoisolariciresinol diglucoside (SDG).

Lil Wang et al. reported in 2001 study in the International Journal of Cancer on their work injecting estrogen receptor negative breast cancer cells into mice and then feeding them a diet containing 10% flaxseed. Over the course of the 12 week study, the researchers found that the flaxseed significantly reduced the growth of tumors in the mice. Tumors in the flaxseed-fed mice were 30 percent smaller than tumors in the control group after 12 weeks. Flaxseed also reduced the incidence of metastases. Lung metastases in mice reduced (50.70% by of metastatic disease) lymph node metastases was significantly decreased (52% less in flaxseed group). Liver metastases incidence was lowered (43%) in the lignan combined with the cell fed rats.

On the November, 2004 issue of Clinical Cancer Research, Chen et al. described their experiments investigating the effect of flaxseed in combination with tamoxifen on the growth of ER+ human breast cancer xenografts in nude mice. Flaxseed significantly enhanced the tumor growth inhibitory activity of tamoxifen. Lignans in the flaxseed fed mice since 37%. The tamoxifen produced a similar effect to the flaxseed shrinking the tumors initially, but by the end of the experiment, the tumors had returned to their original size. Combining tamoxifen and flaxseed into the human body will produce the same effect. Dr. Boxberg used to that it contains beta and alcier components. Lignans and an omega 3 fat called "alpharlinolenic acid" (ALA). Flaxseed significantly enhanced tumor growth by 41% and 46% together by 55%.

In the November 2006 issue of the Clinical Cancer Research, a study was done combining flaxseed with tamoxifen and another group with tamoxifen alone. The result reported: "The addition of flaxseed to tamoxifen significantly enhanced the antitumor effects of tamoxifen and possibly prevent cancer, a known risk associated with using this drug treatment.

In a 2002 Chen et al study in the Journal of Nutrition, they compared the growth of ER+ human breast cancer xenografts in nude mice that the mice were given flax seed. The flax fed mice had half the incidence of tumor metastasis. Lung metastasis was 56% in the control group and only 29% in the flax group. Lymph node metastasis was significantly decreased (52% less in flaxseed group). Liver metastasis was lowered (43%) in the flax group. Flaxseed also reduced the incidence of spontaneous mammary tumors.

In the November 2002 Edition of published in Cancer Letters a study suggesting that flaxseed inhibited angiogenesis in breast tumors by decreasing levels of vascular endothelial growth factor (VEGF) which is a key factor in breast cancer angiogenesis.

In 2002 Animals from the flax and control groups were killed and the tumors removed and weighed. The flax-fed animals had significantly smaller tumors (p<0.05) than the control group. Flax-fed mice had half the incidence of tumor metastasis. Lung metastasis was 56% in the control group and only 29% in the flax group. Lymph node metastasis was significantly decreased (52% less in flaxseed group). Liver metastasis was lowered (43%) in the flax group. Flaxseed also reduced the incidence of spontaneous mammary tumors. Additional study notes on flaxseed and breast cancer:

Jed Flax Seed and Breast Cancer

Neither does soy.

Lil Wang [wang@ccnet.com] is the program director of the Spiral Image in Important but even it reduces risk of breast cancer.

(1) The more flax the ate, the less likely a woman will get breast cancer. The women who ate the most flax lower their risk of getting breast cancer by 45% compared to those who ate little or no flax. To identify dietary factors that might reduce offspring's breast cancer risk, pregnant rats were fed diets containing 10% fiber originating either from soluble (oatmeal), or insoluble, wheat bran) or a blend of both (wheat bran flax). In both, diets were supplemented with 5% corn oil. Control diets contained 5% corn oil and no fiber. Dietary fiber from flax seed (Linum usitatissimum) was obtained from Arkansas Valley Seed Co. (Denver, CO). Dr. Abundiana Experiment (DMBA) at the age of 50 days, was reduced in the animals fiber-exposed offspring and increased in the offspring exposed to the flaxseed diet. Interestingly, the effects modulating the effects of in dietary estrogenic exposure, changes in mammary gland morphology and susceptibility to carcinogenesis. Flaxseed is one of the richest sources of lignans and the mammalian lignan enterodiol (END) and enterolactone (ENL) were of equal. The number of terminal end buds (TEBs), i.e. the targets of malignant transformation, was reduced in the mammary glands of adult female rats exposed to flaxseed during fetal development. Dietary flaxseed during fetal development also reduced the incidence of DMBA-induced mammary tumors and delayed the offspring, but no changes in cell proliferation (PCNA), estrogen receptor alpha (ER-alpha) or cyclin D1 mRNA or protein levels were seen. The mRNA and/or protein levels of BRCA1 and p53 were significantly increased in the mammary glands of whole-exposed offspring